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ABSTRACT

Most of the 30 tests cited in this bibliography are those of the American Chemical Society. Subjects covered include physical chemistry, organic chemistry, inorganic chemistry, analytical chemistry, and other specialized areas. The tests are designed only for advanced high school, and both bachelor/graduate degree levels of college students. This document is one in a series of topical bibliographies from the Test Collection (TC) at the Educational Testing Service (ETS) containing descriptions of more than 18,000 tests and other measurement devices prepared by commercial publishers, teachers, educational institutions, professional associations, departments of education, counselors, etc. Each description contains the following basic information: TC Accession Number (a six-digit identification number assigned by the Test Collection); the title of the instrument; personal or institutional author; year of publication or copyright; availability source; grade level for which test is suitable; age level for which test is suitable; and abstract. Other information, which is provided when known, includes subtests, number of test items, and time required to complete the test. Information on accessing the Test Collection via Internet concludes the document. (CRW)

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ETS TEST COLLECTION

ANNOTATED BIBLIOGRAPHY OF TESTS

CHEMISTRY

COLLEGE LEVEL

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
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Princeton, New Jersey

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TEST COLLECTION
EDUCATIONAL TESTING SERVICE
PRINCETON, NJ 08541

CHEMISTRY - COLLEGE LEVEL
APRIL 1991

SUPERSEDES APRIL, 1989 EDITION

INTRODUCTION

Scope of Bibliography

Many of the tests described are those of the American Chemical Society. Subjects covered include physical chemistry, organic chemistry, inorganic chemistry, analytical chemistry, and other specialized areas.

Availability

Copies of the tests described on the following pages must be obtained directly from the publisher, as stated in the AV AVAILABILITY section of each test citation. Generally, the Test Collection does not have distribution rights for its holdings. However, in special instances, the Test Collection has been granted permission from individual authors to distribute their tests, which are primarily research instruments. The AV AVAILABILITY information for these instruments will be Tests in microfiche, Test Collection, Educational Testing Service, Princeton, NJ 08541.

Guide to Citation Elements

The following is a guide to the various elements which may be present in a test citation:

AN - Six-digit identification number assigned by the Test Collection

TI - Name of the instrument

DT - Components within the overall test which assess particular skills or factors

AU - Personal or institutional author

YR - Year test was published or copyrighted

AV - Test publisher or distributor; the organization which sells or distributes the instrument

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GL - List of grades for which test is suitable

TB - List of ages for which test is suitable

AB - A description of the test and its purpose

AN ACCESSION NUMBER: TC015572 ETS 8807.
TI TITLE: Major Field Achievement Tests.
DT SUBTESTS: Biology; Chemistry; Computer Science; Economics; Education; Engineering; Geology; History; Literature in English; Mathematics; Music; Physics; Political Science; Psychology; Sociology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
YR YEAR: 88.
AV AVAILABILITY: Program Director; Major Field Achievement Tests; GRE Programs; Educational Testing Service, Princeton, NJ 08541.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Designed to assess the outcomes of higher education by measuring undergraduate learning in specific disciplines. These tests are based on subject area tests from the Graduate Record Examination but are less difficult and cover the undergraduate curriculum. Tests are administered by the institution at their convenience and scored by the publisher. Tests reflect basic knowledge and understanding gained from courses. Subscores are reported for areas within each field. Different departmental needs for information can be met by administering different subforms of the test. Departmental and individual scores can be provided.

AN ACCESSION NUMBER: TC014932 ETS 8705.
TI TITLE: DANTES Subject Standardized Tests: ACS General Chemistry.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
AV AVAILABILITY: Educational Testing Service; Mail Stop 17-P, Princeton, NJ 08541.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 90; approx.
ITEMS: 80.
AB ABSTRACT: The DANTES program is a series of secured tests administered by postsecondary institutions to grant credit by examination for education gained outside the classroom. Examinations may be worth from two to six credit hours in a baccalaureate program, baccalaureate upper division program, or a technical program. A minimum score for credit has been established by the American Council on Education. Individual institutions administer the examinations, as well as set the fees and schedules. These instruments complement the College Board's College Level Examination Program (CLEP) with several instruments in applied technology. They were originally developed for military personnel. Major areas of assessment include mathematics, social science, physical science, business, foreign language, and applied technology. For each test a fact sheet containing the curriculum specifications of the course, a list of texts on which the test is based, and statistical information, is available. Qualified administrators and faculty may borrow sample tests for a period of thirty days. This

instrument is one of a series assessing knowledge in general chemistry. The topics covered include states of matter; stoichiometry of reactions; structure, bonding, and periodicity; carbon chemistry; solutions; acid-base chemistry; equilibria; electrochemistry and redox; thermochemistry and kinetics; descriptive chemistry; special topics; and laboratory. The test was normed in the spring of 1981 and this form has not been equated to previous forms.

AN ACCESSION NUMBER: TC014930 ETS 8705.
TI TITLE: American Board of Industrial Hygiene Examination.
AU INSTITUTIONAL AUTHOR: American Board of Industrial Hygiene, Saginaw, MI.
AV AVAILABILITY: American Board of Industrial Hygienists; 4600 West Saginaw, Suite 101; Lansing, MI 48917.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 480.
AB ABSTRACT: This testing was designed as part of a voluntary certification program for qualified industrial hygienists, persons who already possess college degrees and who have acquired competence in industrial hygiene. Non-degree applicants can be certified under special longevity requirements. The exam is offered at changing locations each spring and each fall. Deadline for application is approximately 4 months perio to exam date. Content may cover: air pollution, industrial toxicology, chemistry, physics, protective equipment, radiation and various topics related to industrial hygiene.

AN ACCESSION NUMBER: TC014793 ETS 8609.
TI TITLE: Multiple Assessment Programs and Services of the College Board.
DT SUBTESTS: English; Mathematics; Reading; Written English Expression; Computation; Applied Arithmetic; Elementary Algebra; Intermediate Algebra; Test of Standard Written English; Scholastic Aptitude Test; American History and Social Studies; Biology; Chemistry; English Composition; French Reading; German Reading; Mathematics Level 1; Physics; Spanish Reading; European History and World Cultures; French Listening-Reading; Literature; Mathematics Level 2; German Listening Comprehension; German Listening-Reading; Spanish Listening Comprehension; Spanish Listening Reading; Hebrew; Greek; Russian Reading; Russian Listening-Reading; Italian Reading; Italian Listening-Reading; Conventions of Written English; Critical Reasoning.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
AV AVAILABILITY: Multiple Assessment Program and Services of the College Board; CN6725; Princeton, NJ 08541-6725.
GL GRADE LEVEL: Higher Education.
AB ABSTRACT: This series of tests is for use by colleges, for

admissions, placement of students, remedial or developmental studies, exemption, guidance and counseling. Some of the tests are drawn from the national Admissions Testing Program, including the Test of Standard Written English, Scholastic Aptitude Test and Achievement Tests. Some are self-scoring (English, Mathematics). See also TC 013 001 Assessment and Placement Services for Community Colleges and TC 015 421 Comparative Guidance and Placement Program.

AN ACCESSION NUMBER: TC014502 ETS 8605.
TI TITLE: Certification Examination for Clinical Laboratory Scientist-Generalist or Categorical.
AU INSTITUTIONAL AUTHOR: National Certification Agency for Medical Laboratory Personnel, Washington, DC.
AV AVAILABILITY: National Certification Agency for Medical Laboratory Personnel; 202 "L" St. NW, Suite 400, Washington, DC 20036.
TG TARGET AUDIENCE: Adults.
AB ABSTRACT: Certification is voluntary and is designed to provide and measure a standard of knowledge desirable for medical laboratory personnel, to encourage professional growth, and to recognize those individuals who have fulfilled certification requirements. The generalist examination covers five broad areas: clinical chemistry, hematology, immunohematology, microbiology, and laboratory practice. Candidates may choose to test for certification in a particular categorical or in several categoricals. The four categorical examinations are in clinical chemistry, hematology, immunohematology, and/or microbiology. In addition, candidates applying for certification in a catergorical must also complete the laboratory practice section of the examination.

AN ACCESSION NUMBER: TC014500 ETS 8605.
TI TITLE: Certification Examination for Clinical Laboratory Technician.
AU INSTITUTIONAL AUTHOR: National Certification Agency for Medical Laboratory Personnel, Washington, DC.
AV AVAILABILITY: National Certification Agency for Medical Laboratory Personnel; 202 "L" St. NW, Suite 400, Washington, DC 20036.
TG TARGET AUDIENCE: Adults.
AB ABSTRACT: Certification is voluntary and is designed to provide and measure a standard of knowledge desirable for medical laboratory personnel, to encourage professional growth, and to recognize those individuals who have fulfilled certification requirements. The examination covers five broad areas: clinical chemistry, hematology, immunohematology, microbiology, and laboratory practice.

AN ACCESSION NUMBER: TC013960 ETS 8503.
TI TITLE: Update/Educate.
AU INSTITUTIONAL AUTHOR: American Society of Clinical Pathologists, Chicago, IL.
AV AVAILABILITY: American Society of Clinical Pathologists; 2100 West

Harrison Street, Chicago, IL 60612.
TG TARGET AUDIENCE: Adults.
AB ABSTRACT: Program for medical technologists to assess their areas of strengths and weaknesses. Program was developed by the Commission on Associated Members Activities as a general evaluation of knowledge. Successful completion results in the awarding of continuing education credits. Each test consists of 200 multiple-choice questions. Tests are available in chemistry, blood banking, microbiology, hematology, and generalist information.

AN ACCESSION NUMBER: TC013959 ETS 8503.
TI TITLE: Professional Self Assessment Program.
AU INSTITUTIONAL AUTHOR: American Society of Clinical Pathologists, Chicago, IL.
AV AVAILABILITY: American Society of Clinical Pathologists; 2100 West Harrison Street, Chicago, IL 60612.
TG TARGET AUDIENCE: Adults.
AB ABSTRACT: Medical laboratory personnel may take examinations in all major areas of laboratory medicine in order to assess their strengths and weaknesses in scientific and technical areas as well as to compare their performance with others. Most tests consist of 160 to 180 objective questions and require 3 to 4 hours to complete. Examinations available to medical laboratory personnel are chemistry, hematology, immunohematology, immunology, microbiology, nuclear medicine, and cytopathology. The examinations in forensic pathology and surgical pathology are available to physicians only.

AN ACCESSION NUMBER: TC013904 ETS 8503.
TI TITLE: Certification Examination for Nurse Anesthetists.
AU INSTITUTIONAL AUTHOR: Council on Certification of Nurse Anesthetists, Park Ridge, IL.
YR YEAR: 75.
AV AVAILABILITY: Council on Certification of Nurse Anesthetists; 216 Higgins Road, Park Ridge, IL 60068.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 240.
AB ABSTRACT: This examination is used for the certification of nurse anesthetists for entry into practice. The test assesses knowledge of anatomy, physiology, pathophysiology, chemistry, physics, pharmacology, and principles of professional practice. Candidates must have a bachelor of science degree in nursing. Requirements also include registered nurse licensure and one year acute-care nursing experience.

AN ACCESSION NUMBER: TC011839 ETS 8410.
TI TITLE: NTE Specialty Area Tests: Chemistry, Physics and General Science.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 82.
AV AVAILABILITY: NTE Programs, Educational Testing Service; Box 911 P, Princeton, NJ 08541.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Part of a standardized, secure measure of academic achievement for college students in, or completing, teacher education programs. Used by associations, school systems, state agencies, and institutions, for decisions about the certification and selection of teachers. One of 27 tests measuring understanding of the content and methods applicable to teaching in subject areas. This test covers: major ideas of chemistry and physics; chemistry; physics; astronomy; geology; meteorology; biology.

AN ACCESSION NUMBER: TC011836 ETS 8410.
TI TITLE: NTE Specialty Area Tests: Biology and General Science.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 82.
AV AVAILABILITY: NTE Programs, Educational Testing Service; Box 911 P, Princeton, NJ 08541.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Part of a standardized, secure measure of academic achievement for college students in, or completing, teacher education programs. Used by associations, school systems, state agencies, and institutions, for decisions about the certification and selection of teachers. One of 27 tests measuring understanding of the content and methods applicable to teaching in subject areas. This test covers molecular and cellular biology, chemistry physics, astronomy, space science, geology, oceanography and meteorology, and the history, philosophy and methodology of science.

AN ACCESSION NUMBER: TC011644 ETS 8410.
TI TITLE: ACS Cooperative Examination: Biochemistry Tests.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: Americal Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
ITEMS: 60.

AB ABSTRACT: Designed as a comprehensive final examination appropriate for junior - senior level undergraduate course in general biochemistry. May serve as placement test for entering graduate students. Areas assessed include properties and structure - function relationships of biological molecules, including bioenergetics and enzyme activity; intermediary metabolism and its control; the biochemistry of informational macromolecules; and biochemical methods. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011643 ETS 8410.
TI TITLE: ACS Cooperative Examination: Organic Chemistry Tests.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 115.
ITEMS: 70.
AB ABSTRACT: Measures achievement after a full year course in modern organic chemistry. Areas assessed include theoretical concepts, acid and basic character of organic compounds, stereochemistry, reaction types associated with organic molecules, reaction mechanisms, spectroscopic identification of organic structures, and synthetic sequences. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011442 ETS 8410.
TI TITLE: EDS Diagnostic Skill Level Inventory for Science.
DT SUBTESTS: Introduction; Physics; Chemistry; Geology; Astronomy; Biology; Physiology.
AU AUTHOR: Henney-R-Lee.
YR YEAR: 75.
AV AVAILABILITY: Educational Diagnostic Services; P.O. Box 347; Valparaiso, IN 46383.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 60.
ITEMS: 40.
AB ABSTRACT: Developed to diagnose the strenghts and weaknesses of adult students at the high school level. Each inventory allows diagnosis of functional weaknesses within that academic discipline in order to concentrate on specific problems between the 9 to 12 equivalent grade levels. Can be used for predictive assessment for passing the new General Education Development (GED) Tests.

AN ACCESSION NUMBER: TC011298 ETS 8410.
TI TITLE: ACS Cooperative Examination: Physical Chemistry, Graduate Level.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
ITEMS: 60.
AB ABSTRACT: For use in departments of chemistry, chemical engineering and biochemistry that give training leading to master's or doctoral degrees. Covers subject matter taught in modern undergraduate programs preparatory for graduate work in chemistry. May not be administered to undergraduates. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011296 ETS 8410.
TI TITLE: ACS Cooperative Examination: Organic Chemistry Graduate Level.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 110.
ITEMS: 75.
AB ABSTRACT: For use in departments of chemistry, chemical engineering and biochemistry that give training leading to master's or doctoral degrees. Covers subject matter taught in modern undergradudate programs preparatory for graduate work in chemistry. May not be administered to undergraduates. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011291 ETS 8410.
TI TITLE: ACS Cooperative Examination: Analytical Chemistry, Graduate Level.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physcial Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.

NT NOTES:
TIME: 110.
ITEMS: 35.
AB ABSTRACT: For use in departments of chemistry, chemical engineering and biochemistry that give training leading to master's or doctoral degrees. Covers subject matter taught in a modern undergraduate program preparatory for graduate work in chemistry. May not be administered to undergraduates. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011289 ETS B410.
TI TITLE: ACS Cooperative Examination: Toledo Chemistry Placement Examination.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 55.
ITEMS: 67.
AB ABSTRACT: Designed to assess the background of entering college freshmen for the purpose of determining the appropriate level of chemistry course. Covers background in arithmetic and algebra, general knowledge, formulas and nomenclature, equations, algebraic formulations, and chemical problems. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011288 ETS B410.
TI TITLE: ACS Cooperative Examination: Brief Physical Chemistry, (Life Sciences).
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physcial Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 90.
ITEMS: 50.
AB ABSTRACT: Designed for use in a one-semester terminal course in physical chemistry for which calculus is not a prerequisite. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011271 ETS 8410.
TI TITLE: ACS Cooperative Examination: Inorganic Chemistry.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physcial Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 60.
ITEMS: 110.
AB ABSTRACT: Covers theoretical and descriptive inorganic chemistry including nomenclature, bonding, structure, reaction mechanisms, coordination chemistry and thermodynamics of inorganic elements and compounds. Used with a course that parallels or follows an elementary physical science course. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011268 ETS 8410.
TI TITLE: ACS Cooperative Examination: Polymer Chemistry.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physcial Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 110.
ITEMS: 70.
AB ABSTRACT: For use in introductory undergraduate polymer courses of one or two semesters. Suitable for admissions or placement of incoming graduate students. Covers organics, thermo-kinetics, characterization, physical behavior and general questions. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011262 ETS 8410.
TI TITLE: ACS Cooperative Examination: Physical Chemistry-Chemical Dynamics.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 90.

ITEMS: 45.
AB ABSTRACT: Used at the end of a quarter or semester course or combined with Thermodynamics and Quantum Chemistry for an end of year test. Covers reaction rate theory, kinetic theory of gases and transport phenomena. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011260 ETS 8410.
TI TITLE: ACS Cooperative Examination: Physical Chemistry.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 110.
ITEMS: 49.
AB ABSTRACT: An end of year test covering chemical thermodynamics and equilibrium, electrochemistry; states of matter and phase equilibria. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011259 ETS 8410.
TI TITLE: ACS Cooperative Examination: Physical Chemistry Thermodynamics.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 90.
ITEMS: 45.
AB ABSTRACT: Covers equilibrium, electrochemistry, states of matter, and phase equilibria. Used at the end of a quarter or semester course or combined with Chemical Dynamics. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011256 ETS 8410.
TI TITLE: ACS Cooperative Examination: Instrumental Determinations (Analysis).
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations,

Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 110.
ITEMS: 75.
AB ABSTRACT: Intended for use with third or fourth year students who have taken a modern course dealing with instrumental methods. Covers electroanalytical chemistry, spectrophotometry, instrumentation, chromatography, choice of method for analytical situations, NMR, EDR, emission spectroscopy, atomic absorption spectroscopy, radiochemical methods, thermal methods, mass spectrometry, electron probe and kinetics. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC011255 ETS 8410.
TI TITLE: ACS Cooperative Examination: Quantitative Analysis (Analytical Chemistry).
AU INSTITUTIONAL AUTHOR: American Chemical Society, Division of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 50.
ITEMS: 90.
AB ABSTRACT: Appropriate for use in a one-semester course in analytical chemistry or quantitative analysis offered to second and third year chemistry students. Also suitable for terminal courses for non-majors. Covers gravimetric, volumetric, spectrophotometric and electrometric analysis, and complexiметry, pH and buffers, solubility, analytical separations, data evaluation, oxidation-reduction and indicators. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC008398 ETS 8410.
TI TITLE: ACS Examination Brief Course in Organic Chemistry.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Div. of Chemical Education.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physcial Science, Stillwater, OK 74078-0447.
GL GRADE LEVEL: Higher Education.
NT NOTES: See also ACS Cooperative Examination Brief Course in Organic Chemistry: Form 1971B (TC007045).
TIME: 90.

ITEMS: 70.
AB ABSTRACT: Items include bonding, isomerism, functional group recognition, IVPAC nomenclature, physical properties, acidity and basicity, characteristic reactions of major functional groups, reaction mechanisms, qualitative organic analysis, applications, lipids, carbohydrates, and proteins. Test forms are updated periodically, and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

AN ACCESSION NUMBER: TC003703 ETS 8410.
TI TITLE: Graduate Record Examinations: Subject Tests--Chemistry.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 82.
AV AVAILABILITY: GRE Programs; Educational Testing Service, CN 6010, Princeton, NJ 08541-6010.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 170.
ITEMS: 150.
AB ABSTRACT: Designed to measure knowledge and understanding of chemistry basic to graduate study, and designed to be a power rather than speed test. For reasons of fairness, several editions are available each year. Large print answer sheets are available though the test itself is in regular sized print. In developing each new edition, special effort is made to survey the entire academic field and to include material from widely differing curricula. Used for selection of applicants for graduate school, selection of fellowship applicants, guidance and counseling, evaluation of the effectiveness of an undergraduate or master's program, requirement for conferral of a degree, senior comprehensive examination at the undergraduate level, and comprehensive examination for advancement to a master's or doctoral program. Known as Cooperative Graduate Testing Program until 1940.

AN ACCESSION NUMBER: TC002726 ETS 8410.
TI TITLE: College-Level Examination Program: Subject Examination in General Chemistry.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 81.
AV AVAILABILITY: College Board Publication Orders; CN 6600, Princeton, NJ 08541-6600.
GL GRADE LEVEL: Higher Education.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 90.
ITEMS: 80.
AB ABSTRACT: CLEP enables both traditional and nontraditional students to earn college credit by examination. Tests are updated periodically. Measures knowledge in several areas of chemistry

including structure of matter, states of matter, reaction types, equations and stoichiometry, equilibrium, kinetics, thermodynamics, descriptive chemistry, and experimental chemistry. Slide rules and calculators may be used during examination. There is an optional essay section which includes quantitative problems and writing equations that predict formulas of the products of chemical reactions, as well as short essays that interpret chemical phenomena and illustrate chemical reasoning.

AN ACCESSION NUMBER: TC001803 ETS 8304.
TI TITLE: ACS Cooperative Examination. Organic Chemistry Form 1974.
AU INSTITUTIONAL AUTHOR: American Chemical Society, Tampa, Fla., Div. of Chemical Education.
YR YEAR: 74.
AV AVAILABILITY: American Chemical Society; ACS DivCHED Examinations, Oklahoma State Univ., 107 Physical Sciences, Stillwater, OK 74078-0447.
GL GRADE LEVEL: 9; 10; 11; 12; Higher Education.
NT NOTES:
TIME: 110.
ITEMS: 70.
AB ABSTRACT: Designed to measure achievement in a full year course in organic chemistry. The test covers theoretical concepts, synthetic sequences, reaction mechanisms; stereochemistry, important types of organic reactions, spectroscopic methods of identification of structure, and acidity and basicity of organic compounds. Test forms are updated periodically and older forms may be retired from active use. Retired college-level forms may be released to high school teachers.

ETS TEST COLLECTION VIA INTERNET

The ERIC Clearinghouse on Assessment and Evaluation has mounted on its gopher site a database to help locate tests. This database can be used by accessing the gopher at the address: GOPHER.CUA.EDU The ERIC/ETS Test Collection is located under: Special Resources/ ERIC Clearinghouse on Assessment and Evaluation/ Test Locator/

To search the database, enter keywords from the title or descriptors. For example, if you would like to search for tests on oral language proficiency, you could type in all three words, or oral and proficiency. You may get slightly different results, but you will have information on a lot of tests to look at. If you know the title of the test, the best way to search is to use the main words in the title, not necessarily all of the words in the title. If you are looking for the Wechsler Intelligence Scale for Children-Revised, the most efficent way to search is with the words Wechsler, intelligence, and children.

INTRODUCTION TO THE ETS TEST COLLECTION

The Educational Testing Service (ETS) Test Collection database contains records on over 9,500 tests and research instruments. These records describe the instruments and provide availability information. The Test Collection encompasses virtually all fields from vocational interest inventories for adults to instruments that measure shyness or predict recidivism in released criminal offenders, to assessment of managerial style, as well as education-related achievement and aptitude tests. The test descriptions are indexed with ERIC Thesaurus terms for subject accessibility.

This is a joint project of ETS and ERIC_AE. ETS Library and Reference Services Division prepares the descriptions. ERIC_AE maintains the database and hosts the Search System. ERIC_AE has also begun to put ETS prepared test descriptions into the ERIC Resources in Education database. About 15 descriptions are added each month.

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You may download individual and small groups of test descriptions and you may point to this service from any Gopher Site.

WHAT KIND OF TEST ARE DESCRIBED?

The Test Collection database collects a variety of instruments: achievement tests, aptitude tests, personality measures, attitude measures, career/vocational interest measures, occupational tests such as nursing or sales skills inventories. Many research instruments are collected as well as tests from commercial publishers.

WHAT INFORMATION IS AVAILABLE ABOUT THE TESTS?

The title, author, publication date and source appear in the record. An abstract describing the instrument, intended population, and uses accompanies the record. Subject terms give the age and grade level information as well as ERIC Thesaurus terms that describe the test.

DOES THE TEST COLLECTION DATABASE REVIEW THE TESTS?

No, other reference guides such as Mental Measurements Yearbooks,

Tests: A Comprehensive Reference for Assessments in Psychology, Education, and Business, and Test Critiques distributed by Pro-Ed fill that role. You can search the tables of contents for the MMY and Test Critiques through the ERIC_AE Gopher Site.

ARE ALL THE TESTS IN THE DATABASE CURRENTLY IN PRINT?

No, some of the items are out of print. We suggest contacting the publisher for permission to use out-of-print materials. Phone numbers can be located using another menu option on the ERIC_AE Gopher Site.

WHERE CAN I SEE THE ACTUAL TEST INSTRUMENTS?

Availability information is provided in the records. Many colleges and universities have test collections in their libraries. Talk to you local librarian for more information.

WHAT IS TESTS IN MICROFICHE?

Tests in Microfiche is a subcollection of unpublished research instruments that are available for purchase in microfiche from the ETS Test Collection. The collection includes instruments appropriate for diverse populations (infants, learning disabled, adults, etc.) Each set spans a wide range of topics such as job satisfaction and attitudes towards school. More than 800 tests are available.

DOES THE TEST COLLECTION PROVIDE REFERENCE SERVICES?

No, the descriptive information in the database should help answer most questions people may have. And the publisher of the particular test is the most competent source of information. You can, however, route general inquiries to ERIC_AE@CUA.EDU.

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